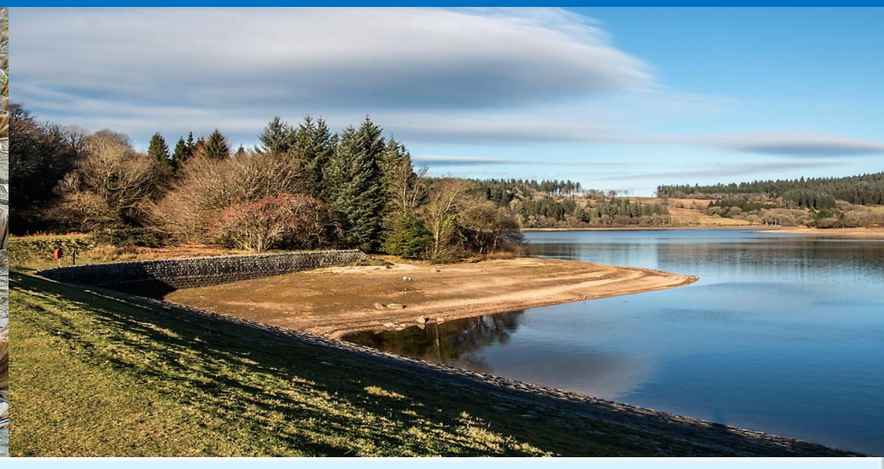
# Drought Information Statement for the Missouri Ozarks

## Valid February 1, 2024

Issued By: *WFO Springfield, MO*

Contact Information: *contact.sgf@noaa.gov*

- This product will be updated March 7, 2024 or sooner if drought conditions change significantly.
- Please see all currently available products at https://drought.gov/drought-information-statements.
- Please visit https://www.weather.gov/sgf/SGFDroughtMonitor for additional information.



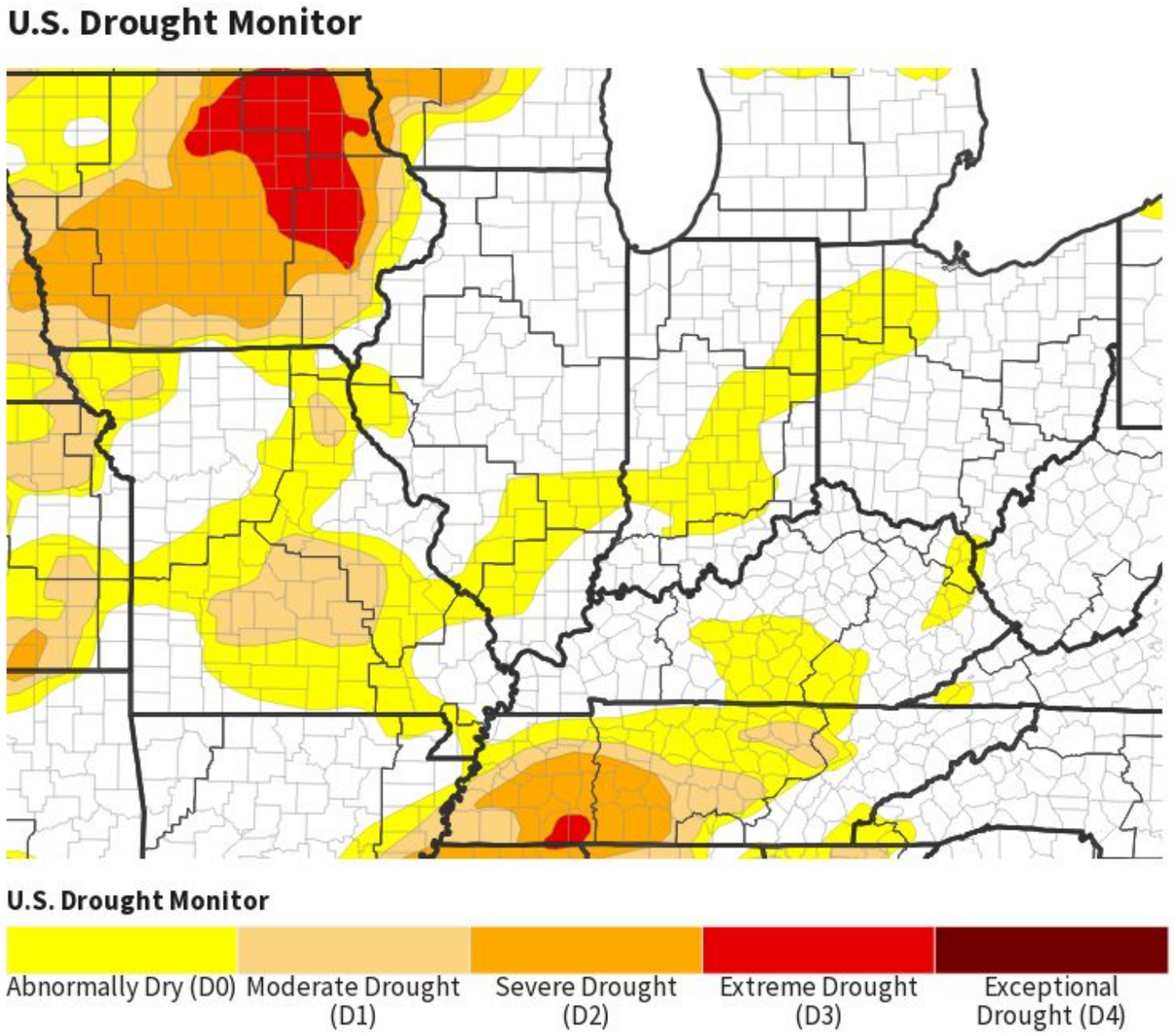
# U.S. Drought Monitor

February 1, 2024
10:01 AM

Link to the latest U.S. Drought Monitor for Lower Midwest

- **Drought Improved Across the Ozarks Region, with conditions improving to Abnormally Dry (D0) and Moderate (D1) drought**

- **Drought Intensity and Extent**
  - D1 (Moderate Drought): All of Miller, Maries, Phelps, Dent, Pulaski, Dallas, Laclede counties in Missouri; Parts of Polk, Greene, Webster, Wright, Texas, and Shannon counties in Missouri
  - D0: (Abnormally Dry): All of Morgan, Benton, St. Clair, Christian, and Douglas counties in Missouri; Parts of Vernon, Cedar, Polk, Greene, Webster, Wright, Texas, Shannon, Oregon, Howell, Ozark, and Taney counties in Missouri; Parts of Bourbon county in Kansas

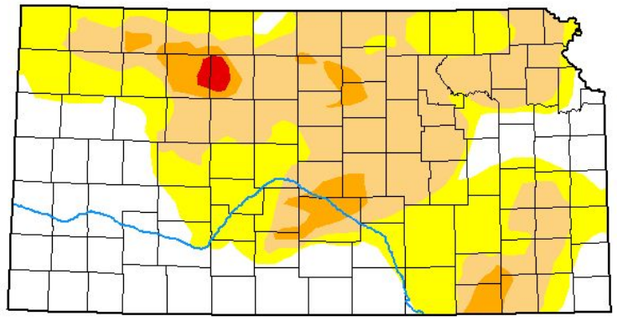


# State Drought Monitor

February 1, 2024
10:01 AM

Link to Recent Change Maps

*U.S. Drought Monitor*
## Kansas



**January 30, 2024**
*(Released Thursday, Feb. 1, 2024)*
**Valid 7 a.m. EST**

*Drought Conditions (Percent Area)*

| | None | D0-D4 | D1-D4 | D2-D4 | D3-D4 | D4 |
|---|---|---|---|---|---|---|
| **Current** | 33.39 | 66.61 | 37.69 | 5.53 | 0.53 | 0.00 |
| **Last Week** 01-23-2024 | 33.18 | 66.82 | 37.88 | 5.53 | 0.53 | 0.00 |
| **3 Months Ago** 10-31-2023 | 15.59 | 84.41 | 63.25 | 39.30 | 7.55 | 0.00 |
| **Start of Calendar Year** 01-02-2024 | 20.54 | 79.46 | 53.43 | 19.44 | 2.88 | 0.00 |
| **Start of Water Year** 09-26-2023 | 18.61 | 81.39 | 64.30 | 45.56 | 20.60 | 1.65 |
| **One Year Ago** 01-31-2023 | 3.98 | 96.02 | 82.82 | 68.65 | 56.37 | 37.43 |

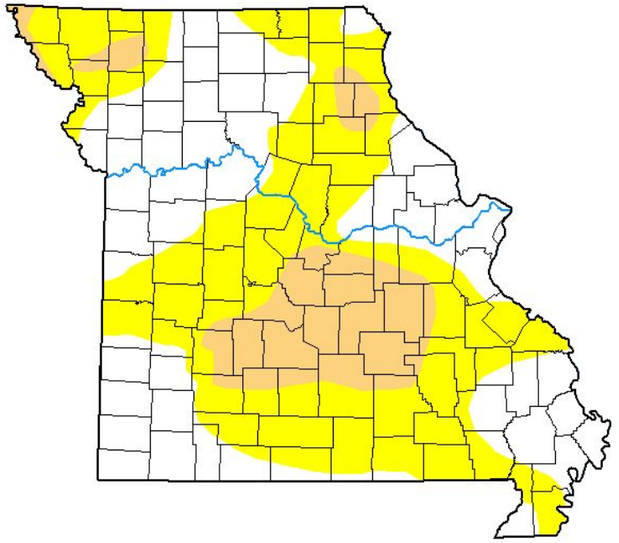
*Intensity:*
- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx*

*Author:*
Brian Fuchs
National Drought Mitigation Center

**droughtmonitor.unl.edu**

*U.S. Drought Monitor*
## Missouri



**January 30, 2024**
*(Released Thursday, Feb. 1, 2024)*
**Valid 7 a.m. EST**

*Drought Conditions (Percent Area)*

| | None | D0-D4 | D1-D4 | D2-D4 | D3-D4 | D4 |
|---|---|---|---|---|---|---|
| **Current** | 41.30 | 58.70 | 15.07 | 0.00 | 0.00 | 0.00 |
| **Last Week** 01-23-2024 | 18.22 | 81.78 | 54.40 | 13.77 | 0.00 | 0.00 |
| **3 Months Ago** 10-31-2023 | 25.05 | 74.95 | 49.99 | 16.69 | 1.80 | 0.00 |
| **Start of Calendar Year** 01-02-2024 | 6.73 | 93.27 | 71.50 | 30.45 | 1.09 | 0.00 |
| **Start of Water Year** 09-26-2023 | 18.08 | 81.92 | 54.87 | 27.22 | 9.04 | 0.00 |
| **One Year Ago** 01-31-2023 | 47.23 | 52.77 | 10.42 | 1.51 | 0.00 | 0.00 |

*Intensity:*
- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx*

*Author:*
Brian Fuchs
National Drought Mitigation Center

**droughtmonitor.unl.edu**

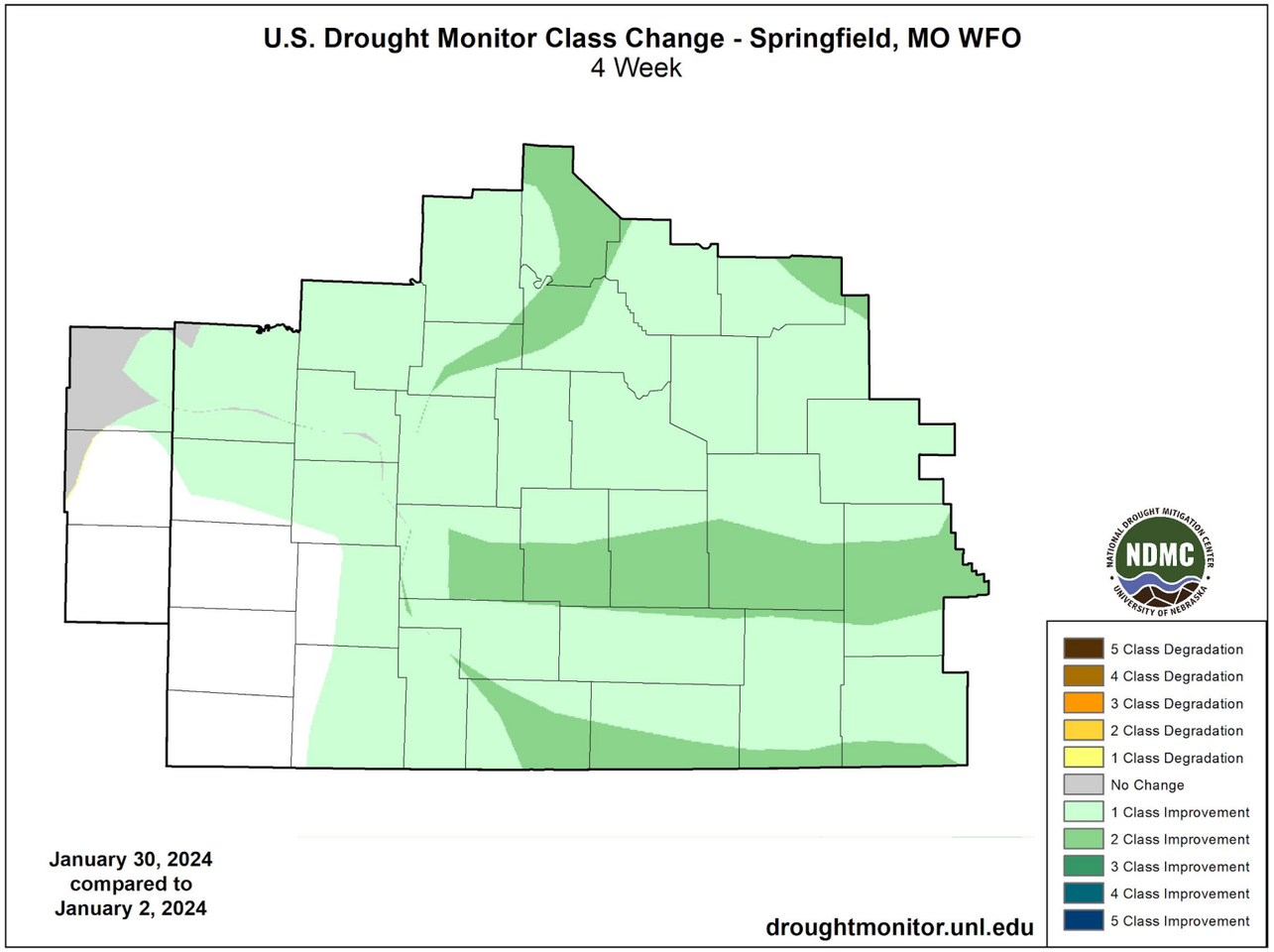
## Main Takeaways

- Bourbon county in Kansas abnormally dry
- Parts of Central Missouri into southern Missouri abnormally dry to moderate drought
- Far southwest Missouri and parts of far southeast Kansas are mostly drought-free

# Recent Change in Drought Intensity

February 1, 2024
10:01 AM

Link to Recent Change Maps



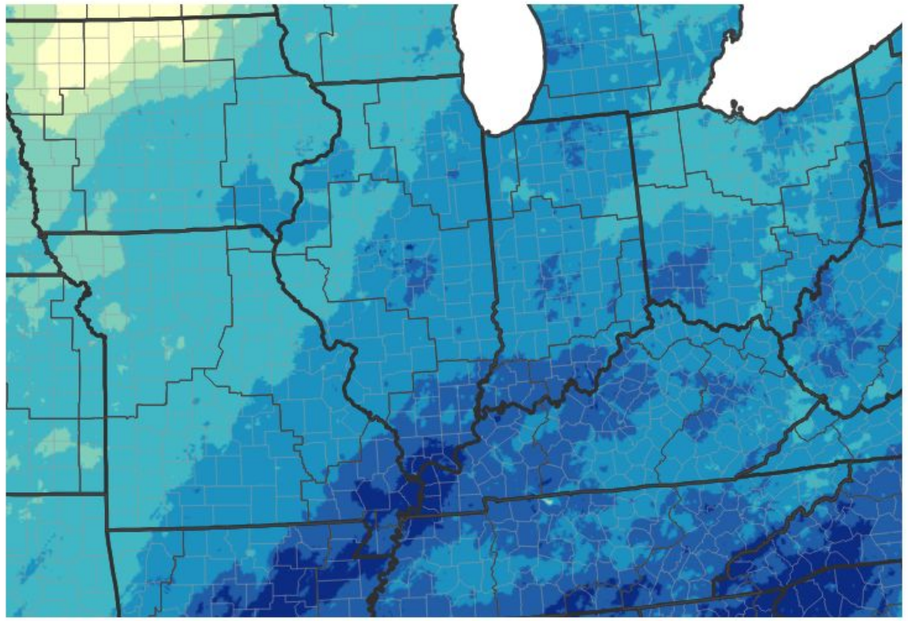

## Main Takeaways

- Most of the CWA saw improvements in the drought by at least 1 class
  - Drought conditions in parts of Morgan, Camden, Hickory, Maries, Phelps, Greene, Webster, Wright, Texas, Shannon, Taney, Ozark, Howell, and Oregon counties improved by 2 classes
- Parts of Bourbon and Crawford counties in Kansas saw no change in conditions

# Precipitation

February 1, 2024
10:01 AM

**30-Day Precipitation Accumulations (Inches)**

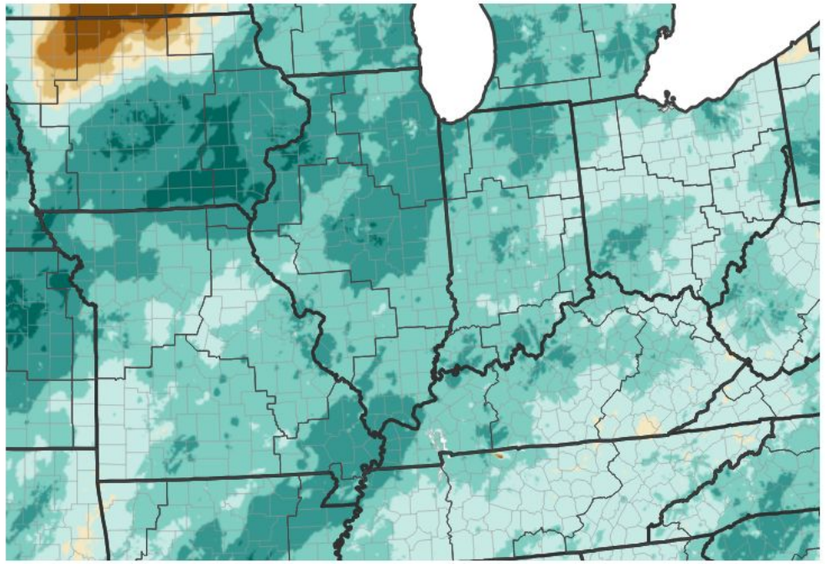


**Inches of Precipitation**

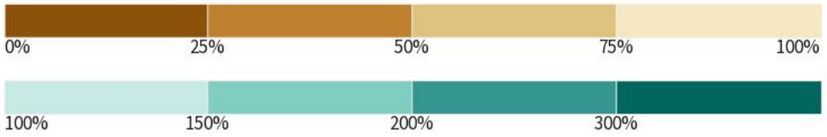

Source(s): National Weather Service Multi-Radar Multi-Sensor System; image courtesy of Drought.gov

Last Updated: 01/31/24

**30-Day Percent of Normal Precipitation**



**Percent of Normal Precipitation (%)**




Source(s): National Weather Service Multi-Radar Multi-Sensor System; image courtesy of Drought.gov

Last Updated: 01/31/24

## Main Takeaways

- All of the CWA saw 100-200% of the normal precipitation accumulations in the last 30 days
- Most of the CWA saw 2-6 inches of precipitation

# Hydrologic Conditions and Impacts

February 1, 2024
10:01 AM

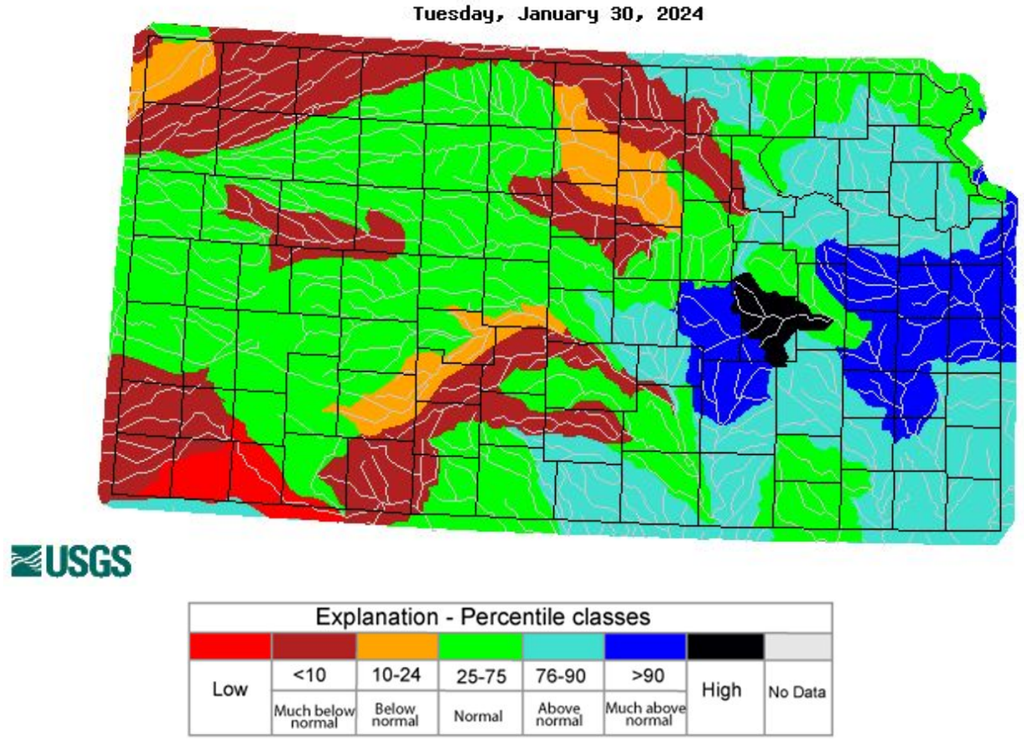



*Image Caption: : [USGS 7 day average streamflow HUC map - Kansas](#).*

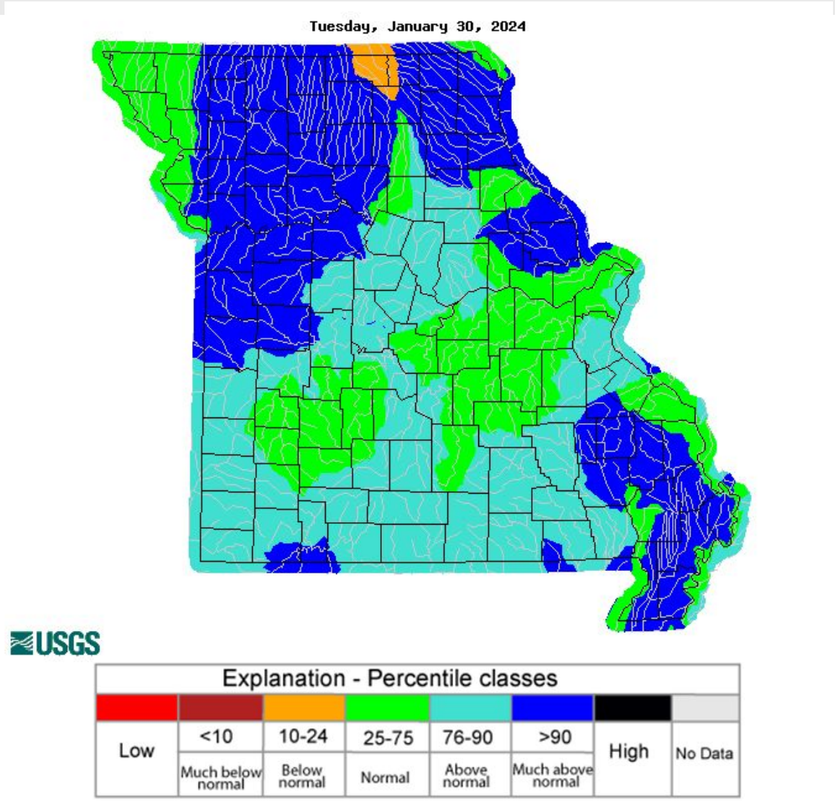



*Image Caption: : [USGS 7 day average streamflow HUC map - Missouri](#).*

## Main Takeaways

- Streamflow percentiles over the past 7 days were normal to above normal across most of the area, with a few locations seeing streamflows much above normal.

# Summary of Impacts

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Links: See/submit Condition Monitoring Observer Reports (CMOR) and view the Drought Impacts Reporter

## Hydrologic Impacts

- Streamflow percentiles over the past 7 days were normal to above normal along the Little Osage River in SE Kansas and west central Missouri.

## Agricultural Impacts

- Condition Monitoring Observer Reports (CMORs) indicated dry ponds, dead grass, crop failures, reduced crop yield, and increases in invasive insects in parts of southwest Missouri.

## Fire Hazard Impacts

- There are no known impacts at this time.

## Other Impacts

- There are no known impacts at this time.

## Mitigation actions

- The Missouri Department of Agriculture has an AgriStress Helpline at 833-897-2474.
- The University of Missouri Extension Office has set up a Psychological Service Clinic to aid farmers and ranchers.
- More information is available at muext.us/PSCFarmRanch.

# Agricultural Impacts

February 1, 2024
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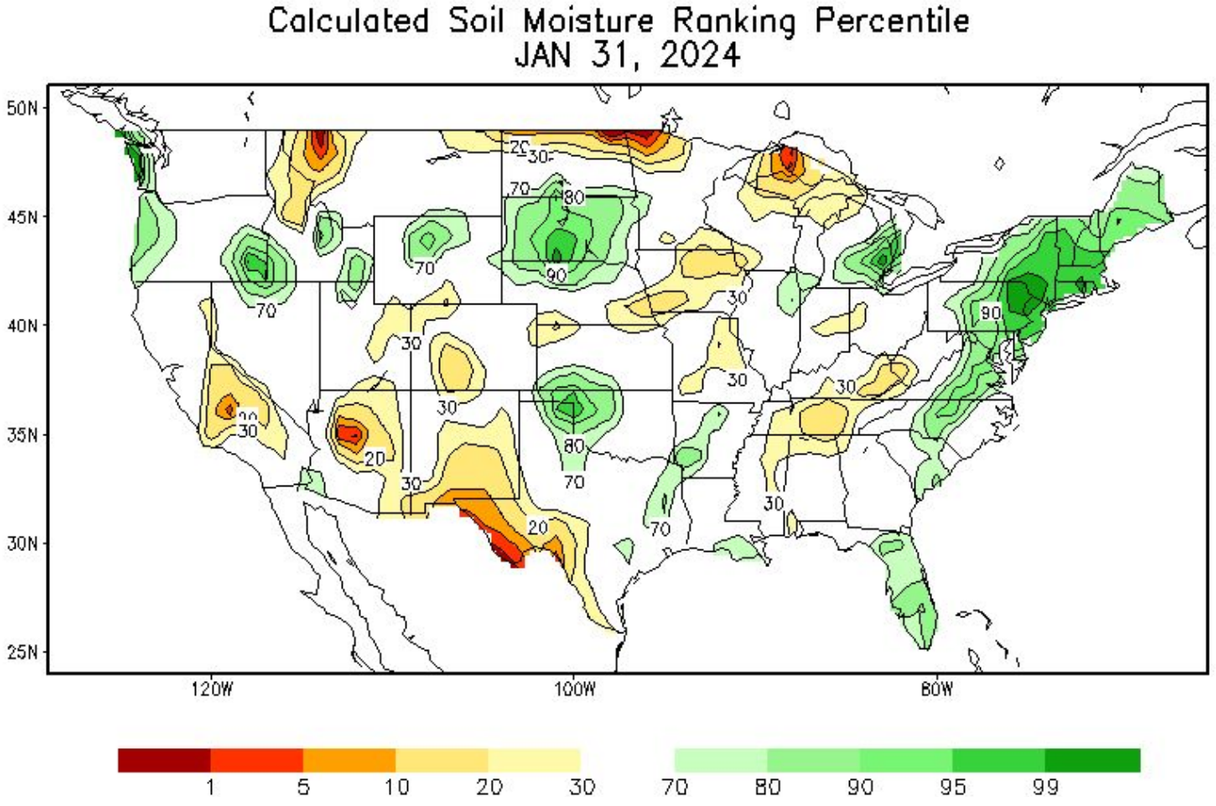


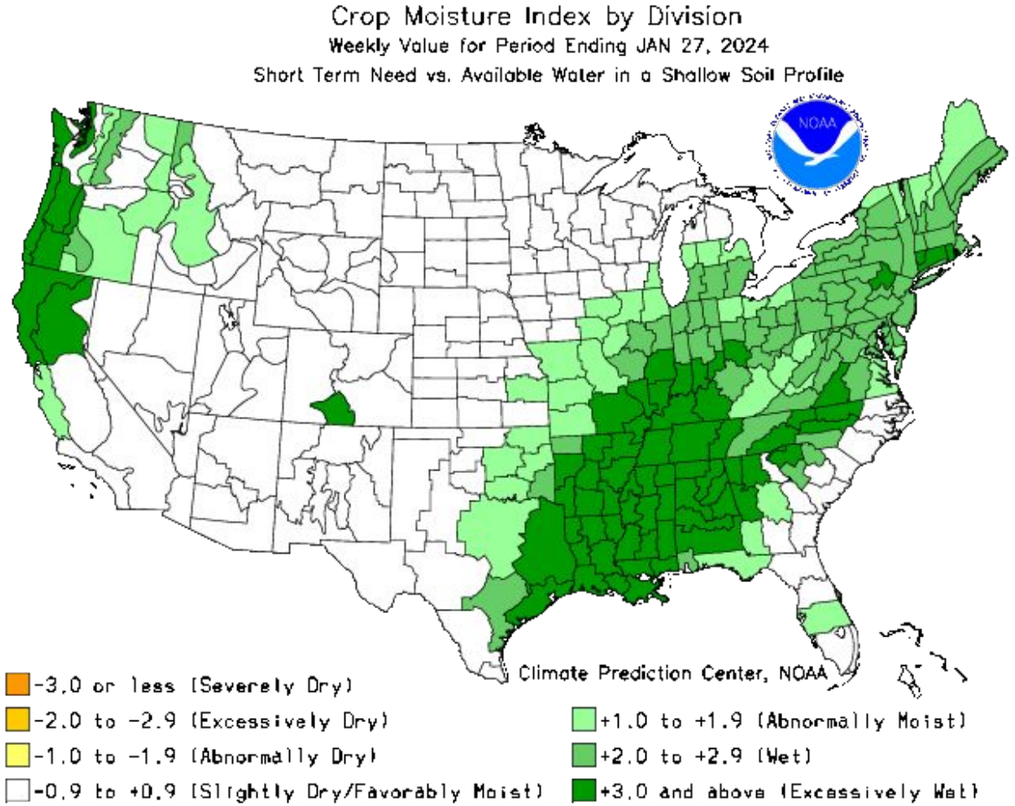


## Main Takeaways

- January 31th soil moisture was near normal across much of the area, with portions of central Missouri seeing below normal.
- End of January Crop Moisture Index was abnormally moist to wet.

# 8 to 14 Day Outlooks

February 1, 2024
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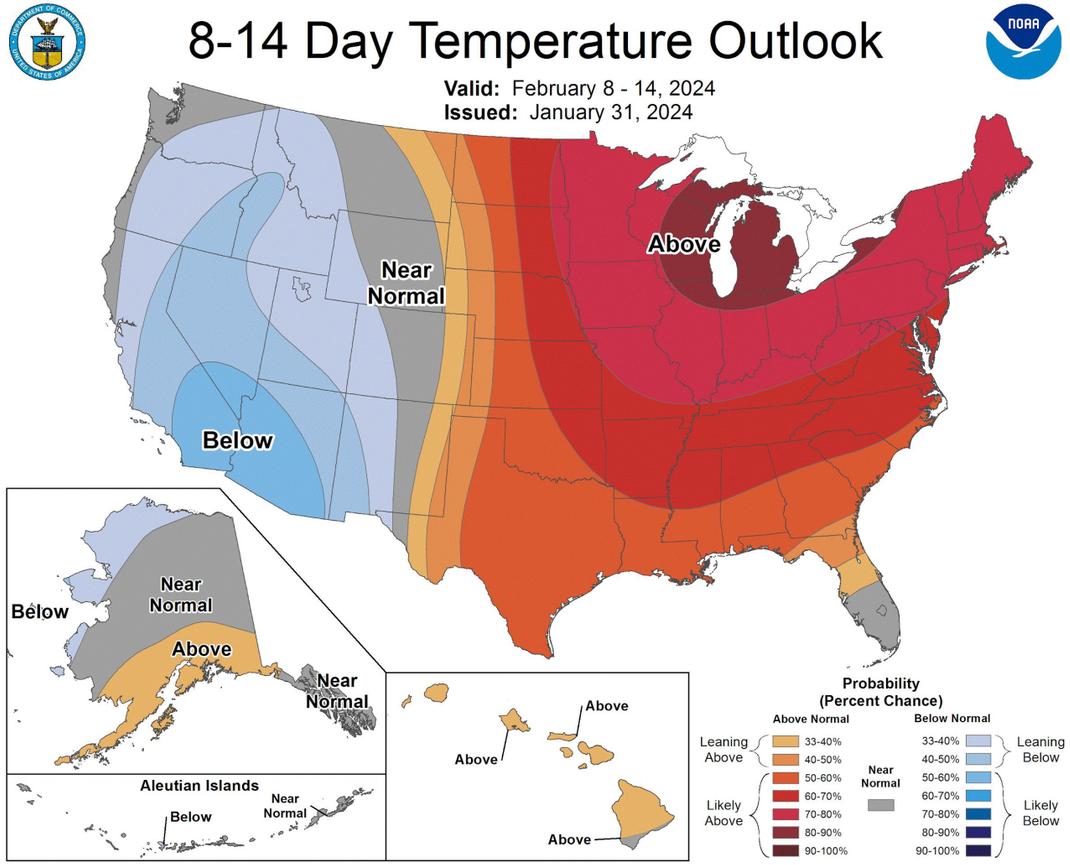
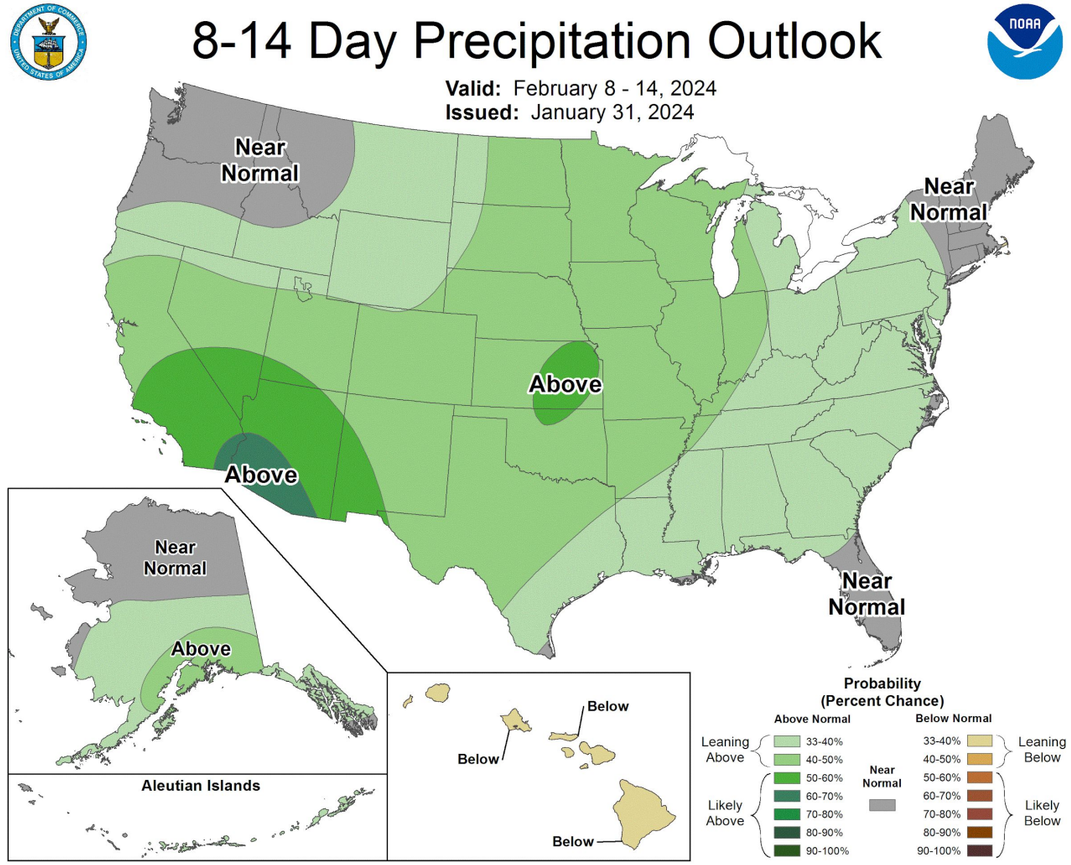
The latest monthly and seasonal outlooks can be found on the CPC homepage




## Main Takeaways

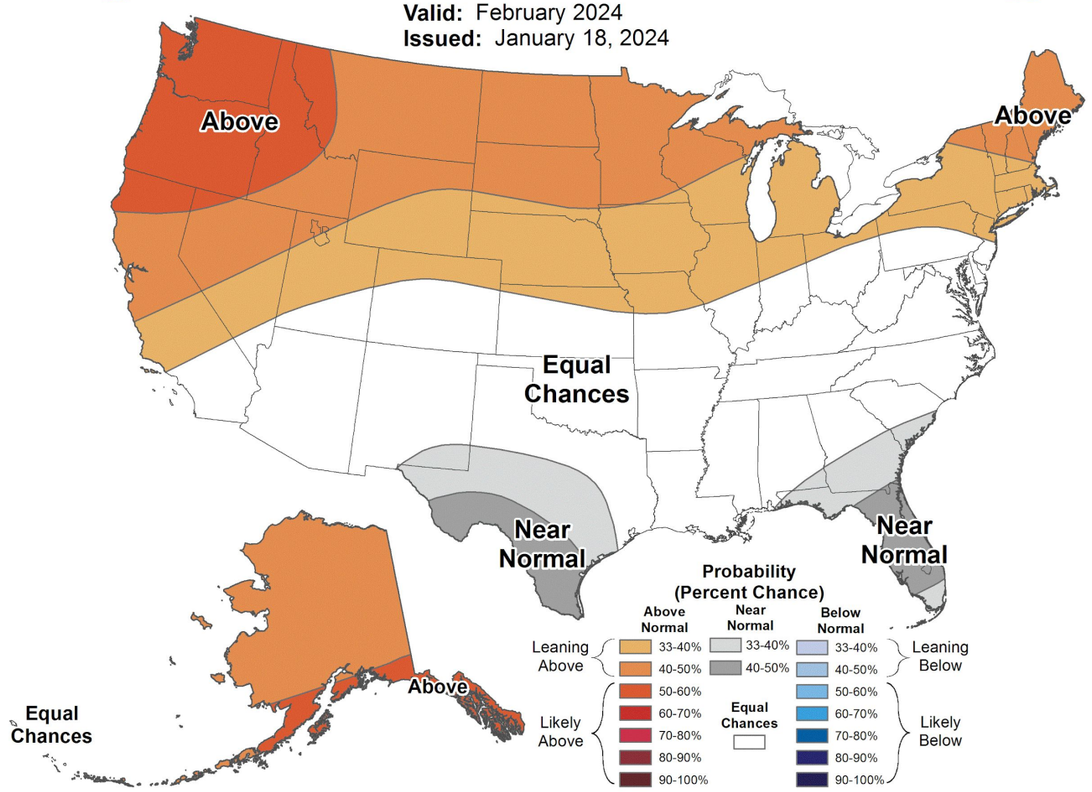
- Above normal temperatures and precipitation leaning above normal are favored through mid-February

# Monthly Outlooks

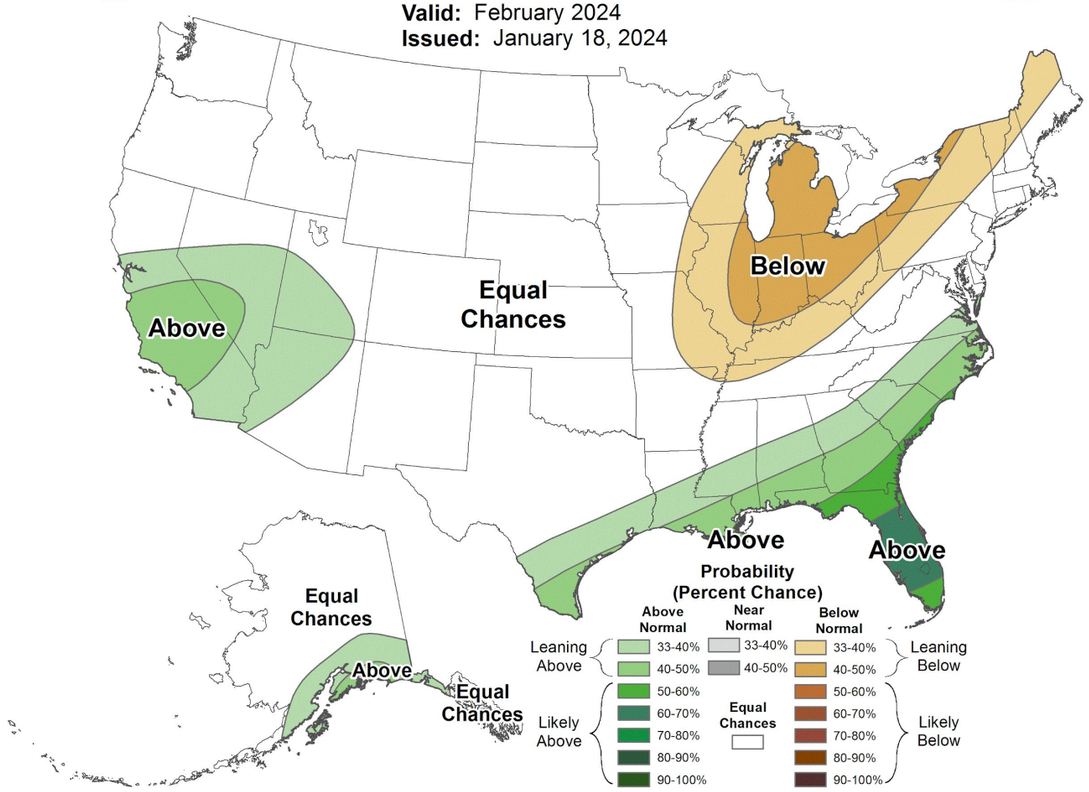
February 1, 2024
10:01 AM

The latest monthly and seasonal outlooks can be found on the CPC homepage

## Monthly Temperature Outlook




## Monthly Precipitation Outlook




## Main Takeaways

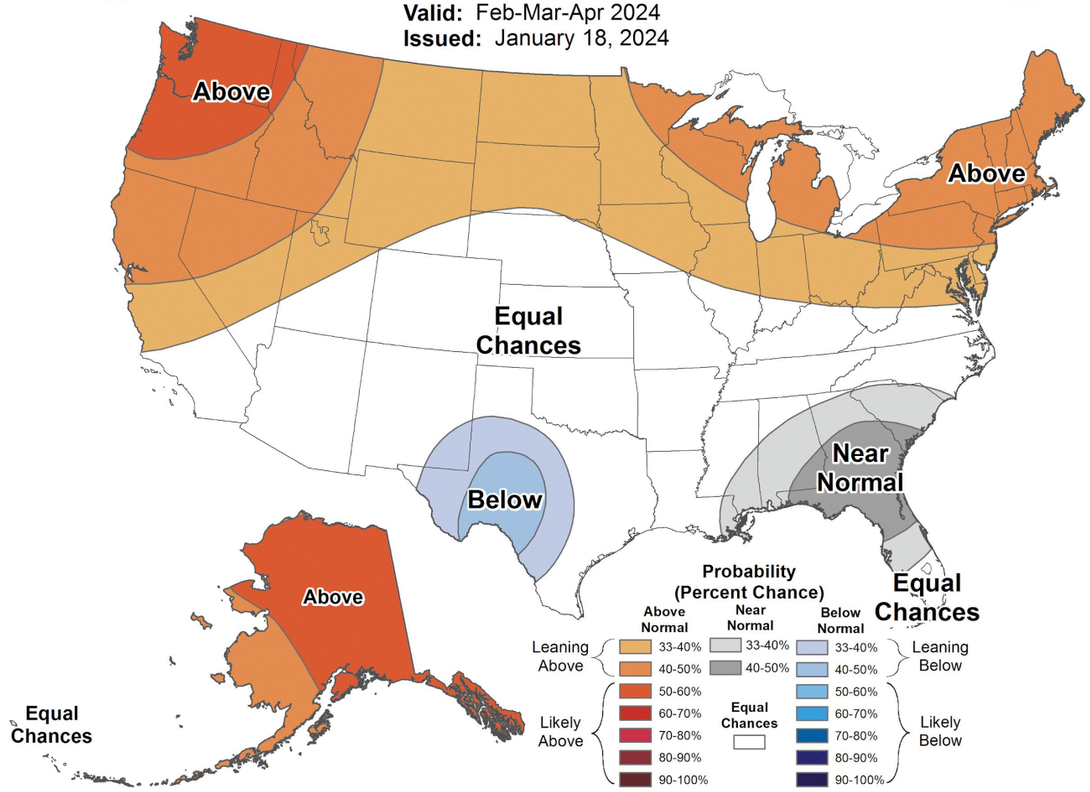
- The pattern is showing equal chances for below/above normal temperatures for February.
- The pattern is showing equal chances for below/above normal precipitation for much of the area in February. Leaning below normal precipitation for eastern Missouri.

# Seasonal Outlooks

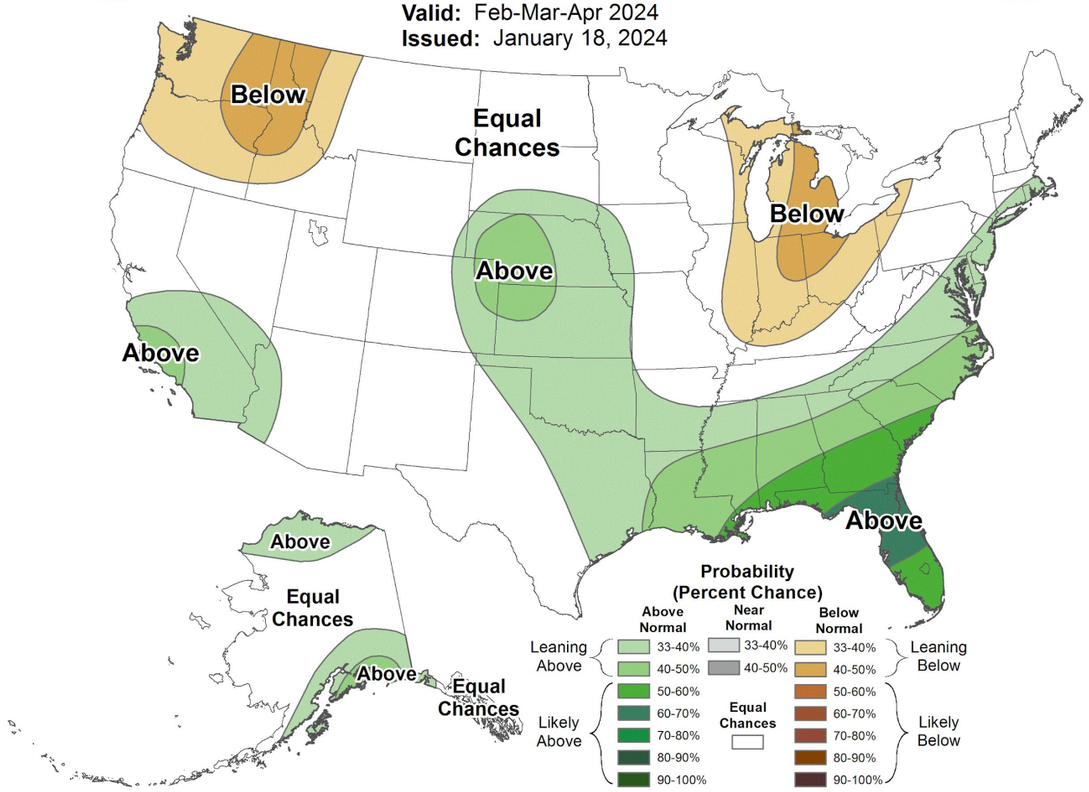
February 1, 2024
10:01 AM

The latest monthly and seasonal outlooks can be found on the CPC homepage

## Seasonal Temperature Outlook




## Seasonal Precipitation Outlook




## Main Takeaways

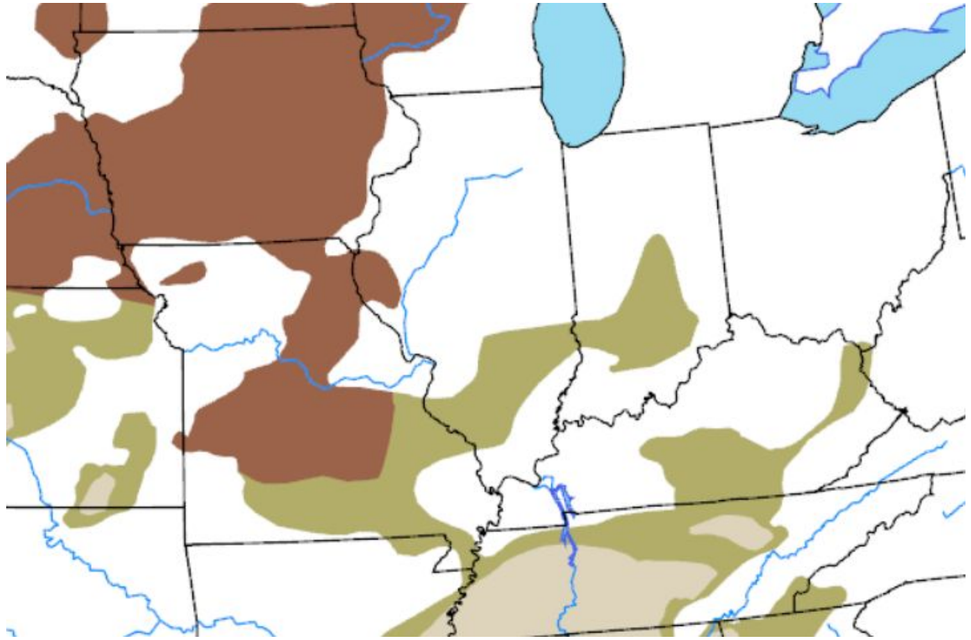
- Equal chances for below/above normal temperatures for the next three months.
- Equal chances for below/above normal precipitation for much of the area for the next three months. Leaning above normal precipitation for southeast Kansas.

# Drought Outlook

February 1, 2024
10:01 AM

[Climate Prediction Center Monthly Drought Outlook](#) | [Climate Prediction Center Seasonal Drought Outlook](#)

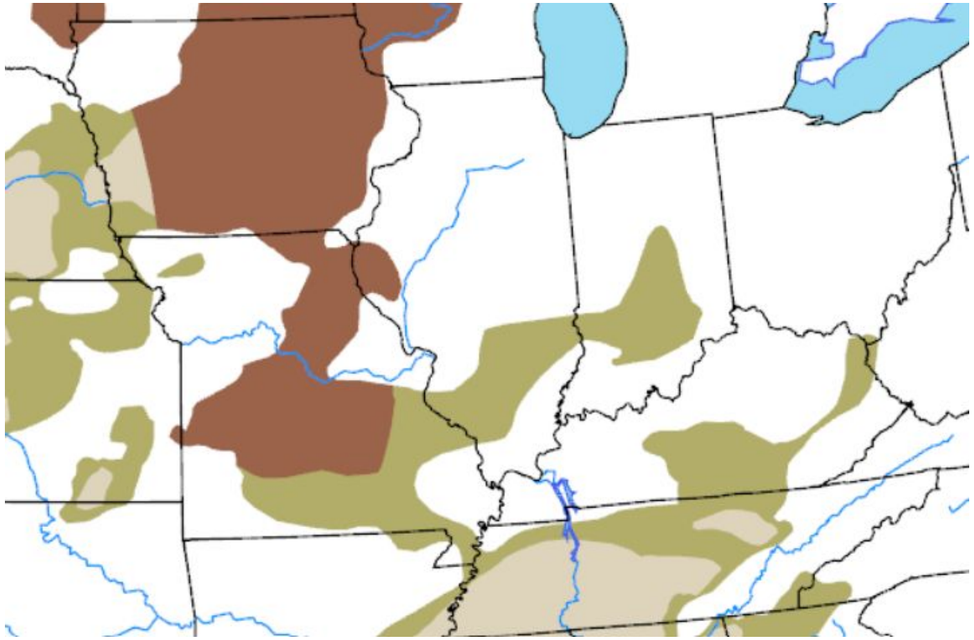
**1-Month Drought Outlook**



**Drought Is Predicted To...**

Persist | Improve | End | Develop | N/A

**Seasonal (3-Month) Drought Outlook**



**Drought Is Predicted To...**

Persist | Improve | End | Develop | N/A

## Main Takeaways

- Both the 1-month and seasonal drought outlooks show drought persisting through the winter for parts of central Missouri. Models are favoring a wet start to February, leading to this outlook showing drought improvement for parts of the area.

# Additional Drought Resources

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10:01 AM

## For Additional Information

- NWS Springfield Webpage | IDSS Point Forecasts
- NWS Springfield Drought Monitor Resources
- Graphical Hazardous Weather Outlook
- Missouri Drought Monitor | Kansas Drought Monitor
- Drought Monitor Archive
- CPC Drought Information
- National Integrated Drought Information System (NIDIS)
- National Drought Mitigation Center (NDMC)
- Missouri USGS Streamflows | Kansas USGS Streamflows
- Drought Safety